

AMERICAN GENERAL AIRCRAFT ACCESSORY KIT NO. AK-136

**SUBJECT:** Installation of large oil cooler on AA-5B Tiger aircraft.

**PURPOSE/DISCUSSION:** The old AA-5B oil cooler is no longer available and has been replaced by a slightly larger capacity oil cooler.

**DESCRIPTION:** This accessory kit contains the instructions and parts required to replace the old oil cooler with the new larger oil, cooler on AA-5B Tiger aircraft.

<b>PARTS REQUIRED:</b>	<b>PART NUMBER</b>	<b>NOMENCLATURE</b>	<b>QUANTITY</b>
	5502012-507	Baffle and Seal Assy LH	1
	5505003-4	Gasket-Oil Cooler	1
	8406R	Oil Cooler	1
	27BR	RTV-high temp	3 oz.

**SPECIAL TOOLS/  
EQUIPMENT REQUIRED:** Standard aircraft mechanics tools.

**EFFECTIVITY:** All AA-5B Tiger aircraft

<b>WEIGHT AND BALANCE:</b>	<b>WEIGHT</b>	<b>ARM</b>	<b>MOMENT</b>
	<u>was</u>		
	<u>now</u>		

**PRICE:** Prices are subject to change without notice:

\$577.88

THIS IS AN OPTIONAL MODIFICATION. NO PARTS OR LABOR CREDIT WILL BE GIVEN.

**MODIFICATION INSTRUCTIONS:**

The following instructions in step-by-step format are written as a guide to perform this modification. Compliance with safe maintenance practices as recommended in the Maintenance Manual and FAA regulations is mandatory. Please read all instructions and review all diagrams before starting this modification.

- A. Prepare aircraft for safe maintenance as follows:
- A-1 Ensure all cockpit switches are off.
  - A-2 Ensure aircraft is grounded and battery is disconnected.
  - A-3 Observe all common aircraft maintenance safety practices.

**B.** Replace oil cooler as follows:

- B-1** Remove the left hand rear baffle from the aircraft. Refer to Maintenance Manual, Chapter 71-6-2.
- B-2** Remove oil cooler from the aircraft. Refer to Maintenance Manual, Chapter 79-0.
- B-3** Install new left hand rear baffle assy. Refer to Maintenance Manual, Chapter 71-6-2. The lower inboard mounting screw must be in place before the baffle can be installed.
- B-4** Install new large oil cooler. Refer to Maintenance Manual, Chapter 79-0.

**C.** Return aircraft to flight status.

**D.** Record modification in the aircraft logbook.

**E.** Please fill in the attached accessory kit completion card and return it to:  
American General Aircraft Corp.  
P.O. Box 5757  
Greenville, MS 38703